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SDCS-ER-75-27

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT ✓
Tadzhik SSR, 09 April 1975

J.R.Woolson, D.D.Solari, M.S.Dawkins, K.J.Hill, and R.J.Markle
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October 1975

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312 Montgomery Street, Alexandria, Virginia 22314

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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SEC'S	ELEVATION METERS	SHORT-PERIOD	LONG-PERIOD	INSTRUMENTATION
ALPA	Alaska	65 14 00.0 N 147 44 36.0 W	626	None		31300
CPSO	McMinnville, Tennessee	35 35 41.4 N 085 34 13.5 W	574	6480 7515	V H	SL210 SL220
FN-WV	Franklin, West Virginia	38 32 58.0 N 079 30 47.0 W	910	KS36000		KS36000
LASA	Billings, Montana	46 41 19.0 N 106 15 20.0 W	744	HS10		7505A 8700C
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	18300		SL210 SL220
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10		7505A 8700C
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300		SL210 SL220
WH2YK	White Horse, Yukon	60 41 41.0 N 134 58 02.0 W	853	18300		SL210 SL220

HYPOCENTER DETERMINATION

INPUT FOR EVENT 9 APR 75
22:25:35.0 37.500N 73.500E 0KM.

STA.	ARRIVAL	CALC	RESIDUALS	DIST.	AZ.
NAO	22 33 29.3	-0.0	0.1	43.1	320.5
WH2YK	22 37 22.2	-0.0	-0.1	77.1	13.9
PK-ON	22 38 22.8	-0.0	-0.7	89.0	351.9
LAO	22 38 47.0	-0.0	0.7	93.8	359.8

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
22:27:18.2	47.363N	71.462E	727. CALC	0.0	7	4
22:25:28.1	39.866N	73.518E	0. REST	0.6	4	4

CHI2 COVERAGE ELLIPSE: 95 PER CENT CONF.. LEVEL, SDV= 0.93
MAJOR 265.6KM. MINOR 51.1KM. AZ= 11 AREA= 42621 SQ.KM. REST

DATA SUMMARY

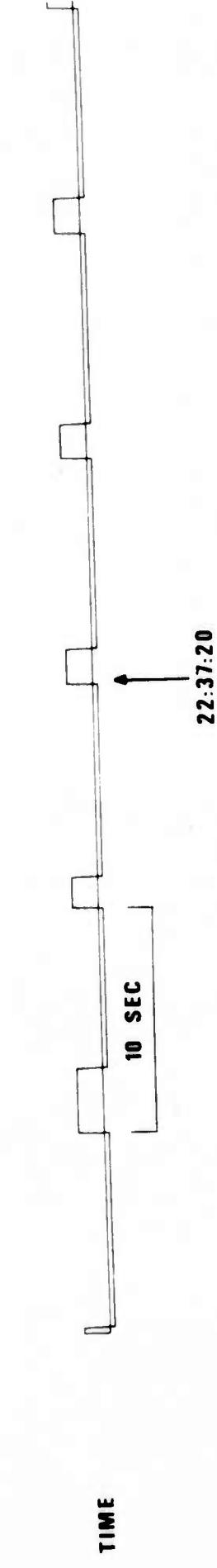
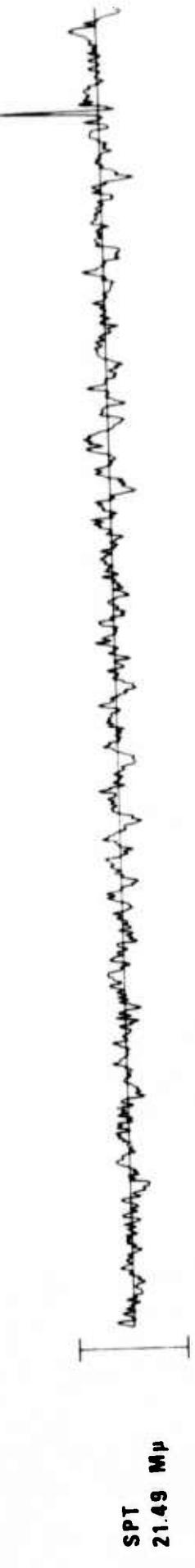
INPUT FOR EVENT 9 APR 75
 22:25:35.0 37.500N 73.500E 0KM.

STA.	PHASE	ARRIVAL			INST	PER	A/T	MAGNITUDE		
		TIME	INST	PER				MB	MS	DIR
NAC	EP	22 33	29.3	AB	0.7	89.	5.15			43.1
NAO	LQ	22 49	30.0	LAB	20.0	7.				
NAC	LR	22 52	20.0	LAB	16.0	21.		4.08		43.1
WH2YK	EP	22 37	22.2	SPZ	0.9	10.	4.60			77.1
RK-ON	EP	22 38	22.8	SPZ	0.8	7.	4.55			89.0
IAC	EP	22 38	47.0	AB	1.0	15.	4.99			93.8
ORIGIN	LAT.	ICNG.	DEPTH (KM)		MAG	SDV	STA			
22:27:18.2	47.363N	71.462E	727.	CAIC	4.39	0.45	4			
22:25:28.1	39.866N	73.518E	0.	REST	4.82	0.30	4			

Average long-period magnitude (M_S) is based on Rayleigh wave observations in the period range of 17 to 23 seconds per cycle.

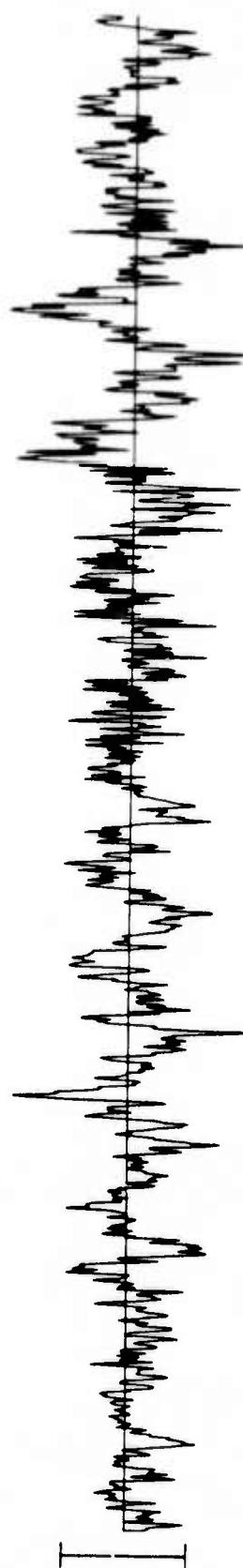
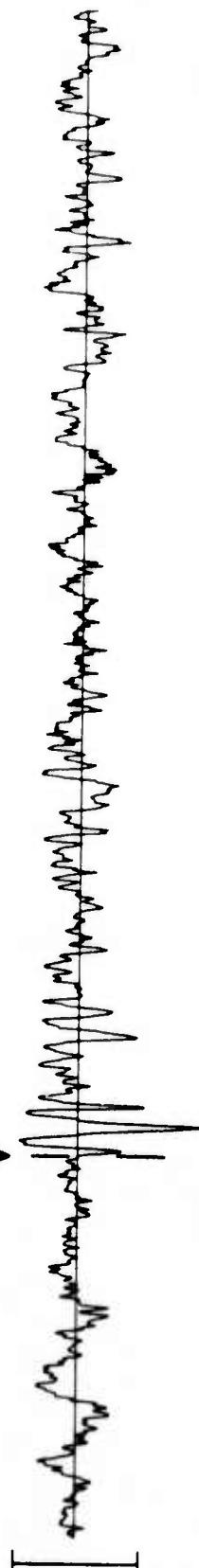
WH2YK 09 APR 75

22:37:22.2



RK-ON 9 APR 75

22:38:22.8



10 SEC

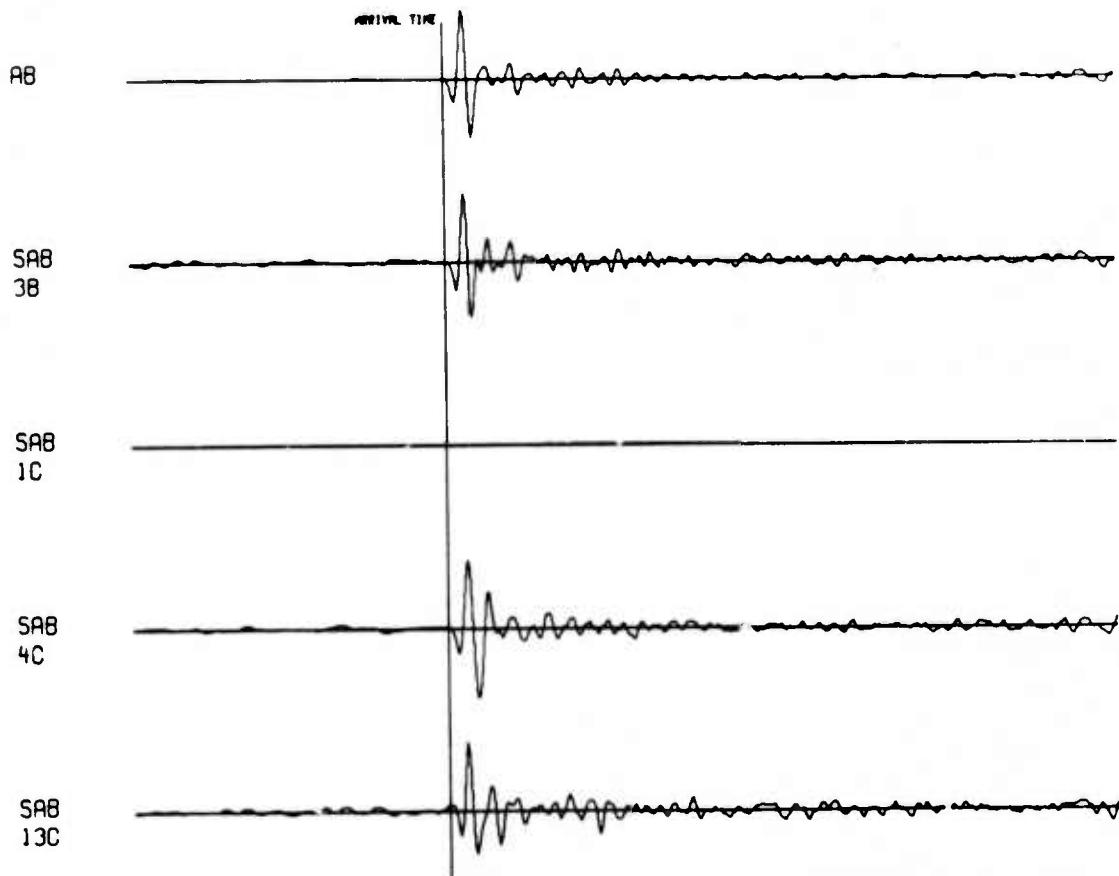
NORSAR EVENT FILE

1975 APR 9

EPX NO. 28980 ARR. 22.33.29.2 37.5N 73.2E 5.4MB 33KM

DIST - 44.8 AZI - 91.9 AMP - 61.0 PER - 1.0 UMETH 2

SCALE 1 = 5 SECONDS



1 9 APR 1975

2 22 25 25 38.0N 74.0E 330 C 5.5 715 TADZHIK SSR

3 22 38 47.2 LAO P 15.3 1.0 24.5 95.8 359.8

LASA

EPX 9020

BP-B 0.6-2.0 Hz

ABN 10

22.38.37.

AB 40

FAB 36

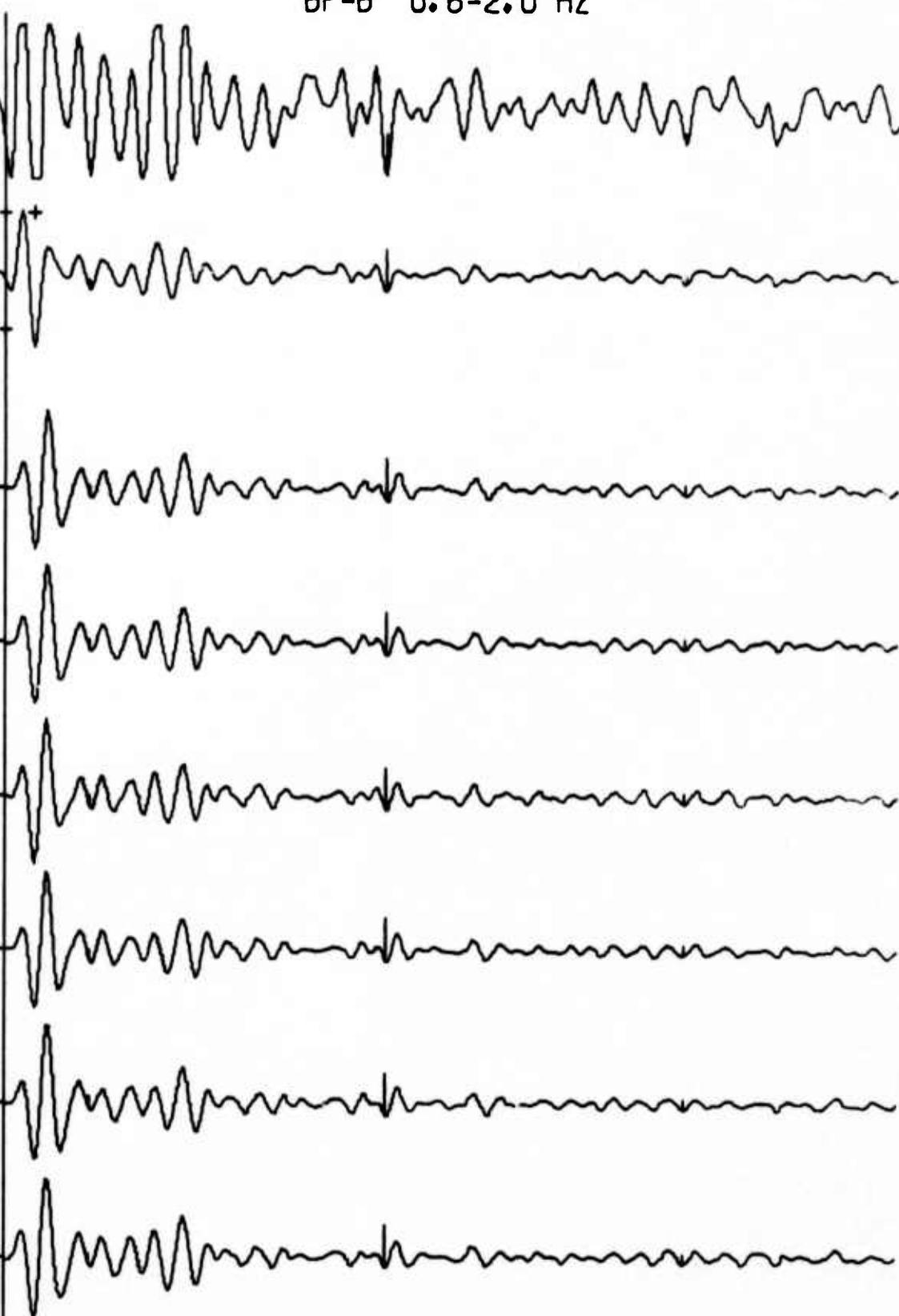
WAB 36

PAB1 33

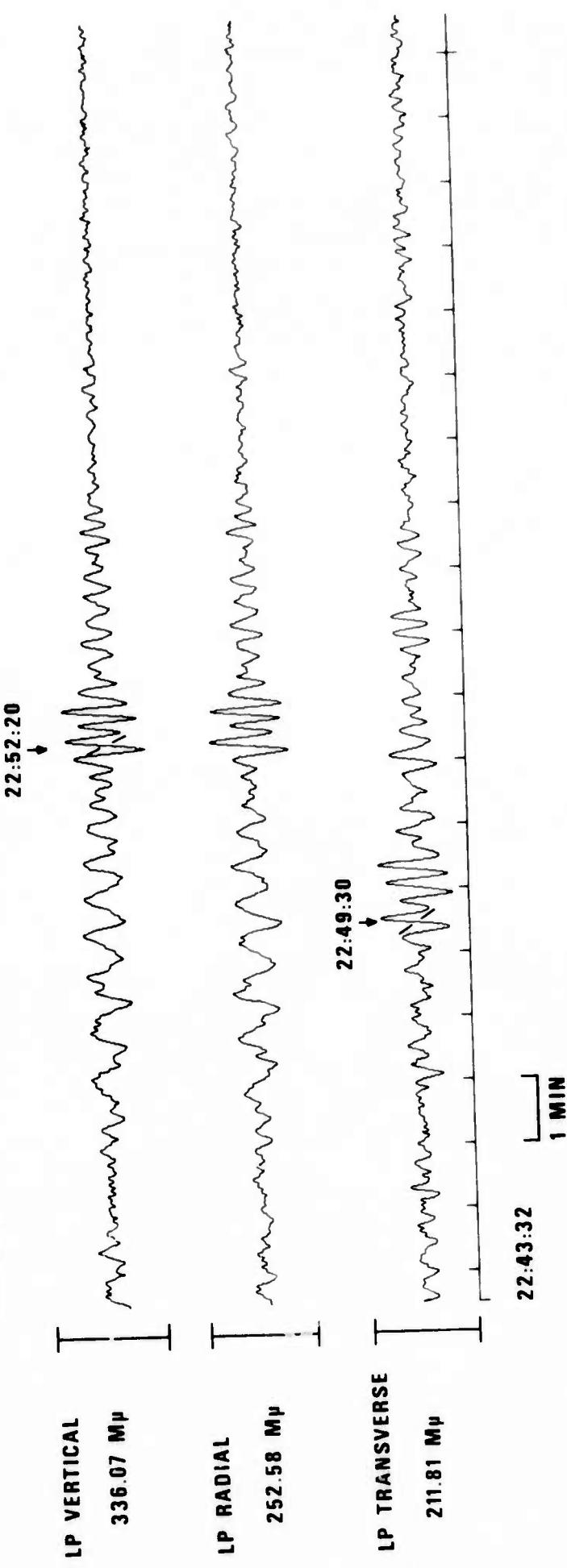
PAB2 44

PAB3 39

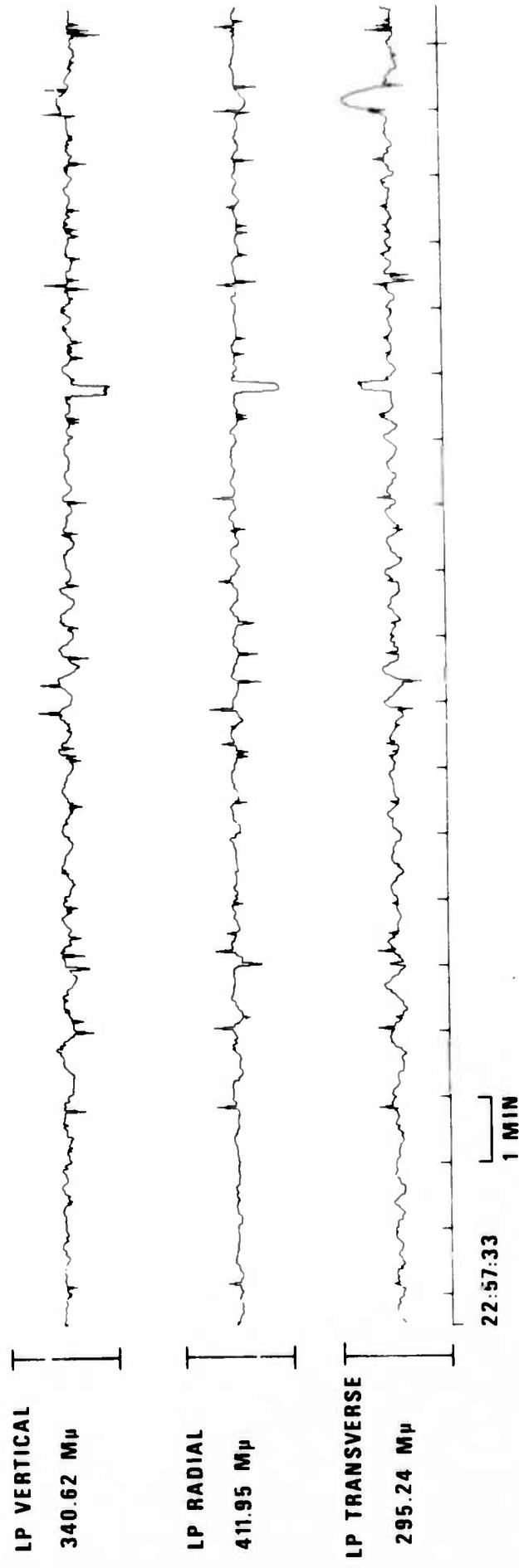
PAB4 27



NORSAR LONG-PERIOD BEAMS 09 APR 75



ALPA LONG-PERIOD BEAMS 09 APR 75



LASA LONG-PERIOD BEAMS 09 APR 75

